

**West Virginia Department of Environmental Protection**  
***Division of Air Quality***

Joe Manchin III  
Governor

Stephanie R. Timmermeyer  
Cabinet Secretary

# General Permit Registration



*Pursuant to*  
**Title V**  
*of the Clean Air Act*

**Columbia Gas Transmission Corporation**  
Adaline Compressor Station  
R30-NGGP-2007-05100100  
Effective Date: October 30, 2007

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*John A. Benedict*  
*Director*

Date Signed: October 15, 2007



Registration Number: **R30-NGGP-2007-05100100**  
Permittee: **Columbia Gas Transmission Corporation**  
Facility Name: **Adaline Compressor Station**  
Mailing Address: 1700 MacCorkle Avenue, SE  
Charleston, WV 25314  
Permit Contact: Kasey Gabbard, NiSource EH&S  
Phone: (304) 357-2079 Fax: (304) 357-2770

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*This Registration is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§ 22-5-1 et seq.) and 45CSR30 — Requirements for Operating Permits. The permittee identified at the above-referenced facility is authorized to operate the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this Registration and of Permit Number R30-NGGP-2007.*

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Facility Location:	Cameron, Marshall County, West Virginia
Mailing Address:	Route 5, Box 100, Cameron, WV 26033
Telephone Number:	(304) 686-3588
Type of Business Entity:	Corporation
Facility ID #:	051-00100
Facility Description:	Natural Gas Transmission Facility
SIC Codes:	4922
UTM Coordinates:	530.4 km Easting • 4401.6 km Northing • Zone 17

*Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.*

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*Issuance of this Title V Operating Permit Registration does not supersede or invalidate any existing permits under 45CSR13, 14 or 19, although all applicable requirements from such permits governing the facility's operation and compliance have been incorporated into the Title V Operating Permit.*

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## Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description (Make, Model, Serial No.)	Year Installed	Design Capacity	Control Device	Applicable Natural Gas General Permit (R30-NGGP-2007) Sections
<b>Facility-wide</b>						<b>Section 2.0, Sections 3.1.1 to 3.1.8, 3.1.12 to 3.1.15, 3.2, 3.3, 3.4, 3.5 &amp; 3.7.</b>
BLR1*	BL1	DEG Dehydrator Reboiler; Gas Conditioners Inc.; Model # S814-10H	1985	0.5 MMBtu/hr	None	<b>Section 4.0</b>
BLR2*	BL2	DEG Dehydrator Reboiler; Gas Conditioners Inc.; Model # S814-10H	1984	0.5 MMBtu/hr	None	<b>Section 4.0</b>
BLR3*	BL3	DEG Dehydrator Reboiler; Gas Conditioners Inc.; Model # S814-10H	1984	0.5 MMBtu/hr	None	<b>Section 4.0</b>
BLR4*	BL4	Heating System Boiler; American Standard Model # 1-B-J-3	1961	3.48 MMBtu/hr	None	<b>Section 4.0</b>
M-BLR1*	M-BL1 & M-R1	Mobile Glycol Reclaimer; Boiler/preheater	2000	0.19 MM Btu/hr	None	<b>R13-2362-P6 Sections 4.0, 17.0</b>
M-BLR2*	M-BL2	Mobile Glycol Reclaimer; Reclaimer/vacuum reboiler	2000	0.20 MM Btu/hr	None	<b>R13-2362-P6 Sections 4.0, 17.0</b>
HTR2*	H2	Natural Gas Heater; BS&B Model # 70S-2	1956	1.0 MMBtu/hr	None	<b>Section 4.0</b>
08101*	E01	Reciprocating Engine/Integral Compressor; Clark HRA-8; 2-cycle, lean burn	1954	880 HP	None	<b>None</b>
08102*	E02	Reciprocating Engine/Integral Compressor; Clark HRA-8; 2-cycle, lean burn	1954	880 HP	None	<b>None</b>
08103*	E03	Reciprocating Engine/Integral Compressor; Clark HRA-8; 2-cycle, lean burn	1956	880 HP	None	<b>None</b>
08104*	E04	Reciprocating Engine/Integral Compressor; Clark TLA-6; 2-cycle, lean burn	1961	2,000 HP	None	<b>None</b>
08105*	E05	Reciprocating Engine/Integral Compressor; Clark TLA-6; 2-cycle, lean burn	1961	2,000 HP	None	<b>None</b>

<b>Emission Unit ID</b>	<b>Emission Point ID</b>	<b>Emission Unit Description (Make, Model, Serial No.)</b>	<b>Year Installed</b>	<b>Design Capacity</b>	<b>Control Device</b>	<b>Applicable Natural Gas General Permit (R30-NGGP-2007) Sections</b>
08106*	E06	Turbine Engine/Centrifugal Compressor; Solar Saturn T-1001 turbine	1966	1,080 HP	None	None
08107*	E07	Turbine Engine/Centrifugal Compressor; Solar Saturn T-1001 turbine	1966	1,080 HP	None	None
081G3*	G3	Reciprocating Engine/ Generator Waukesha VGF18GL; 4-cycle, lean burn	1998	440 HP	None	R13-2149B
DEG-DEHY1*	FL1	DEG Dehydrator; BS&B Contact Tower, 6-bubble trays	1985	4.875 MMscf/hr 117 MMscf/day	FLLP1	R13-2149B Sections 12.1.1, 12.1.7(a), 12.2, 12.3, 12.4.1 to 12.4.7, 12.5
DEG-DEHY2*	FL1	DEG Dehydrator; BS&B Contact Tower, 6-bubble trays	1984	4.875 MMscf/hr 117 MMscf/day	FLLP1	R13-2149B Sections 12.1.1, 12.1.7(a), 12.2, 12.3, 12.4.1 to 12.4.7, 12.5
DEG-DEHY3*	FL1	DEG Dehydrator; BS&B Contact Tower, 6-bubble trays	1984	4.875 MMscf/hr 117 MMscf/day	FLLP1	R13-2149B Sections 12.1.1, 12.1.7(a), 12.2, 12.3, 12.4.1 to 12.4.7, 12.5
FLLP1*	FL1	Dehydrator Flare; NATCO Model SHV-4.0	1998	2.5 MM Btu/hr	None	R13-2149B Sections 12.1.2 to 12.1.6

\* All combustion equipment is fueled by pipeline quality natural gas only.

**45CSR13/14, Consent Order specific and Other Requirements not included in Title V General Permit:**

**1. R13-2149B**

**2. R13-2362-P6**

- 3.** Compliance with the emission limits set forth in R13-2149B Section A.1 for SO<sub>2</sub> emissions from the flare shall be determined by using an emission factor of 0.0007 lb/MMBtu, which is based on an average sulfur content in the fuel assist gas of 0.25 grains S/100 scf.

*[45CSR§30-5.1.c] [FL1]*



**Office of Air Quality**  
7012 MacCorkle Avenue, South East  
Charleston, WV 25304-2943  
Telephone Number: (304) 926-3727  
Fax Number: (304) 926-3739

## **West Virginia Department of Environmental Protection**

Bob Wise  
Governor

Michael O. Callaghan  
Secretary

### **PERMIT TO MODIFY A NATURAL GAS COMPRESSOR STATION**

IN ACCORDANCE WITH THE WEST VIRGINIA AIR POLLUTION CONTROL LAW (W. Va. Code §§22-5-1 et seq.), AND REGULATIONS PROMULGATED THEREUNDER, THE FOLLOWING PERMITTEE IS AUTHORIZED TO CONSTRUCT, SUBJECT TO THE TERMS AND CONDITIONS OF THIS PERMIT, THE SOURCE DESCRIBED BELOW.

This permit will supersede and replace Permit R13-2149 and R13-2149A.

Name of Permittee: Columbia Gas Transmission Corporation

Name of Facility: Adaline Compressor Station

Permit No.: R13-2149B

Plant ID No.: 051-00100

Effective Date of Permit: May 30, 2001

Permit Writer: Christopher Preston

Facility Mailing Address: 1700 MacCorkle Avenue, SE  
Charleston, WV 25325-1273

County: Marshall

Nearest City or Town: Cameron

UTM Coordinates: Easting: 530.0 km      Northing: 4,401.0 km      Zone: 17

Directions to Exact Location: From intersection in Cameron, travel west a short distance to a "Y" intersection. Go left, cross bridge, then up a hill on a brick road. Proceed south along this road for approx. 7 miles to station which is on left side of road and partially visible.

Type of Facility or Modification: The natural gas compressor station is requesting to add new specific requirements to an existing permitted flare to assure that it is federally enforceable.

THIS SOURCE IS SUBJECT TO 45CSR30. THE PERMITTED FACILITY'S TITLE V (45CSR30) PERMIT R30-05100100-1996, ISSUED ON 09/18/1998, MUST BE REVISED BEFORE COMMENCING OPERATION OF THE ACTIVITY (ACTIVITIES) AUTHORIZED BY THIS PERMIT.

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"To use all available resources to protect and restore West Virginia's environment in concert with the needs of present and future generations."



West Virginia  
Department of  
Environmental Protection

IN ACCORDANCE WITH THE PERMIT APPLICATION AND ITS AMENDMENTS, THIS PERMIT IS LIMITED AS FOLLOWS:

**A. SPECIFIC REQUIREMENTS**

1. The emissions to the atmosphere from emission point FL1 shall not exceed the following:

Emission Point ID	Equipment ID	Pollutant	Allowable Emission	
			lb/hr	lb/yr
FL1	0039	CO	0.925	8,103
		NO <sub>x</sub>	0.17	1,490
		SO <sub>2</sub>	0.0018	15.3
		VOC	4.415	38,676
		PM	0.0113	99
		Benzene	0.921	8,063
		Ethylbenzene	0.636	5,567
		Hexanes	0.0473	414
		Toluene	0.848	7,427
		Xylene	0.82	7,162

2. Emissions created by the glycol dehydrators (Source ID No. 004-01, 004-02, and 004-03) shall be vented through the emissions control flare, equipment ID No. 0039, prior to release to the atmosphere.
3. The flare, equipment ID No. 0039, shall be designed to maintain a minimum VOC combustion efficiency of 95%.
4. The quantity of natural gas that is consumed in 440-HP natural gas compressor engine (G3) shall not exceed 3,972 cubic feet per hour or  $34.79 \times 10^6$  cubic feet per year.
5. Emissions from the 440 HP compressor engine (Waukesha F18GL) shall be limited to the following:

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Emission Point ID	Source ID	Control Device	Pollutant	Allowable Emissions	
				lb/hr	tons/yr
G3	081G3	N/A	NO <sub>x</sub>	2.52	11.05
			CO	1.70	7.44
			VOC	0.73	3.19
			SO <sub>2</sub>	0.23	0.99
			PM	0.12	0.51

6. The emissions limitations specified in (a) through (e) below are established to ensure that the permittee operates and maintains a control device that reduces hazardous air pollutant emissions below the applicability threshold specified in 40 CFR Part 63, Subpart HHH.
- a) The TEG dehydrator shall be equipped with a flare to control organic compound emissions. The flare shall be fired with natural gas and shall be operated with 95% control efficiency.
  - b) The flare controlling the TEG dehydrator shall be designed and operated in a manner that will ensure no visible emissions, as determined by 40 CFR Part 60.18(f), except for periods not to exceed a total of five (5) minutes during any two (2) consecutive hours.
  - c) The flare and pilot flame shall be operated at all times when emissions may be vented to it, as determined by methods specified in 40 CFR Part 60.18(f).
  - d) The flare shall be used only when the net heating value of the gas being combusted is 200 Btu/scf or greater. The net heating value of the gas being combusted shall be determined by the methods specified in 40 CFR Part 60.18(f).
  - e) The flare shall be designed for and operated with an exit velocity that satisfies the requirements of 40 CFR Part 60.18.

## B. OTHER REQUIREMENTS

1. In accordance with 45CSR30 - "Operating Permit Program", enclosed with this permit is a Certified Emissions Statement registration form.. The permittee shall complete the Certified Emissions Statement registration form for the permittee's new potential to emit and return it to the WV Department of Environmental Protection, Office of Air Quality (OAQ).

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2. The pertinent sections of 45CSR2 applicable to this facility include, but are not limited to, the following:

§45-2-3.1

No person shall cause, suffer, allow, or permit emission of smoke and/or particulate matter into the open air from any fuel burning unit which is greater than ten (10) percent opacity based on a six minute block average.

§45-2-3.2

Compliance with the visible emission requirements of subsection 3.1 shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9 or by using measurements from continuous opacity monitoring systems approved by the Director. The Director may require the installation, calibration, and operation of continuous opacity monitoring systems and may establish policies for the evaluation of continuous opacity monitoring results and the determination of compliance with the visible emission requirements of subsection 3.1. Continuous opacity monitors shall not be required on fuel burning units which employ wet scrubbing systems for emission control.

§45-2-3.4

The Director may approve an alternative visible emission standard to that required under subsection 3.1, not to exceed twenty (20) percent opacity, upon the filing of a written petition by the owner or operator, which petition shall include a demonstration satisfactory to the Director.

3. The pertinent sections of 45CSR10 applicable to this facility include, but are not limited to, the following:

§45-10-4.1

No person shall cause, suffer, allow, or permit, the emission into the open air from any source operation an in-stack sulfur dioxide concentration exceeding 2,000 parts per million by volume from existing source operations, except as provided in subdivisions 4.1a through 4.1.e.

§45-10-5.1

No person shall cause, suffer, allow, or permit, the combustion of any refinery process gas stream or any other process gas stream that contains hydrogen sulfide in a concentration greater than 50 grains per 100 cubic feet of gas. Except in the case of a person operating in compliance with an emission control and mitigation plan approved by the Director and U.S. EPA. In certain cases very small units may be considered exempt from this requirement if, in the opinion of the Director, compliance would be economically unreasonable and if the contribution of the unit to the surrounding air quality could be considered negligible.

4. The pertinent sections of 45CSR13 applicable to this facility include, but are not limited to, the following:

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Adaline Compressor Station

§45-13-6.1

At the time a stationary source is alleged to be in compliance with an applicable emission standard and at reasonable times to be determined by the Director thereafter, appropriate tests consisting of visual determinations or conventional in-stack measurements or such other tests the Director may specify shall be conducted to determine compliance.

§45-13-10.2

The Director may suspend or revoke a permit if, after six (6) months from the date of issuance, the holder of the permit cannot provide the Director, at the Director's request, with written proof of a good faith effort that construction, modification, or relocation, if applicable, has commenced. Such proof shall be provided not later than thirty (30) days after the Director's request. If construction or modification of a stationary source is discontinued for a period of eighteen (18) months or longer, the Director may suspend or revoke the permit.

§45-13-10.3

The Director may suspend or revoke a permit if the plans and specifications upon which the approval was based or the conditions established in the permit are not adhered to. Upon notice of the Director's intent to suspend, modify or revoke a permit, the permit holder may request a conference with the Director in accordance with the provisions of W. Va Code § 22-5-5 to show cause why the permit should not be suspended, modified or revoked.

5. In order to determine compliance with the emission limits established under **Specific Requirement A**, the permittee shall maintain the records of fuel usage for each engine/generator (See Attachment A). Records indicating the hourly and twelve month fuel usage shall be maintained on site for a period of no less than five (5) years and these certified reports shall be provided to the Chief or his/her duly authorized representative upon request.
6. With reference to the dehydration unit, the permittee shall record the following information each month during unit operation.
  - a) All periods, during dehydration unit operation, when there was no pilot flame, and
  - b) The operating times for the flare, monitoring equipment and associated emissions unit.
7. Compliance with the conditions set forth in **SPECIFIC REQUIREMENTS A.6(b)** shall be determined by monthly visual emissions checks when the dehydration unit is in operation to verify the absence of visible emissions from the dehydrator flare. Visible emissions checks shall not be required during start-ups, shutdowns and malfunctions. Records shall be maintained on site stating the date and time of each visible emission check and whether emissions were

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observed.

8. Compliance with the design and operating conditions set forth in **SPECIFIC REQUIREMENTS A.6(d) and A.6(e)** shall be determined by maintaining design records indicating the minimum assist gas flare flow rate and the maximum allowable flare exit gas velocity.
9. All records required under **OTHER REQUIREMENTS B.6, B.7, and B.9** shall be maintained on site for a period of five (5) years and certified records shall be made available to the Chief or his/her duly authorized representative upon request.

### C. GENERAL REQUIREMENTS

1. In accordance with 45CSR30 - "Operating Permit Program", the permittee shall not operate nor cause to operate the permitted facility or other associated facilities on the same or contiguous sites comprising the plant without first filing a Certified Emissions Statement (CES) and paying the appropriate fee. Such Certified Emissions Statement (CES) shall be filed and the appropriate fee paid annually. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Director or his/her duly authorized representative.
2. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses, and/or approvals from other agencies; i.e., local, state, and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.
3. The permitted facility shall be constructed and operated in accordance with information filed in Permit Application R13-2149, R13-2149A, and R13-2149B and any amendments thereto. The Director may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.
4. At such reasonable time(s) as the Director may designate, the permittee shall conduct or have conducted test(s) to determine compliance with the emission limitations established in the permit application and/or applicable regulations. Test(s) shall be conducted in such a manner as the Director may specify or approve and shall be filed in a manner acceptable to the Director. The Director, or his/her duly authorized representative, may at his option witness or conduct such test. Should the Director exercise his option to conduct such test(s), the operator shall provide all the necessary sampling connections and sampling ports to be located in such manner as the Director may require, power for test equipment, and the required safety equipment such as scaffolding, railings, and ladders to comply with generally accepted good safety practices. For any tests to be conducted by the permittee, a test protocol shall be submitted to the OAQ

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Columbia Gas Transmission Corporation  
Adaline Compressor Station

Date: 8/17/07

- by the permittee at least thirty (30) days prior to the test and shall be approved by the Director. The Director shall be notified at least fifteen (15) days in advance of the actual dates and times during which the test will be conducted.
5. In the event the permittee should deem it necessary to suspend, for a period in excess of sixty (60) consecutive calendar days, the operations, either in whole or in part, authorized by this permit, the permittee shall notify the Director, in writing, within two (2) calendar weeks of the passing of the sixtieth (60) day of the suspension period.
  6. The provisions of this permit are severable and should any provision(s) be declared by a court of competent jurisdiction to be invalid or unenforceable, all other provisions shall remain in full force and effect.
  7. The permittee shall notify the Director, in writing, within fifteen (15) calendar days of the commencement of the construction, modification, or relocation activities authorized under this permit.
  8. The permittee shall notify the Director, in writing, at least fifteen (15) calendar days prior to actual startup of the operations authorized under this permit.
  9. This permit is transferable in accordance with the requirements outlined in Section 10.1 of 45CSR13.
  10. Violations of any of the conditions contained in this permit, or incorporated herein by reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7.
  11. On or before July 1st of each calendar year, the permittee herein shall prepare and submit an emission inventory for the previous calendar year, addressing the emissions from the facility and/or process(es) authorized herein, in accordance with the emission inventory submittal requirements of the Office of Air Quality. After the initial submittal, the Director may, based upon the type and quantity of the pollutants emitted, establish a submittal frequency other than on an annual basis.

ISSUED BY:

  
EDWARD L. KROPP

WV DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF AIR QUALITY

DATE SIGNED:

5/30/01

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Columbia Gas Transmission Corporation  
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ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED



**Office of Air Quality**  
1558 Washington Street, East  
Charleston, WV 25311-2599  
Telephone Number: (304) 558-0885  
Fax Number: (304) 558-1222

## West Virginia Division of Environmental Protection

Cecil H. Underwood  
Governor

Michael C. Castle  
Director

### PERMIT TO RELOCATE MOBILE GLYCOL RECLAIMER UNIT

IN ACCORDANCE WITH THE WEST VIRGINIA AIR POLLUTION CONTROL LAW (W. Va. Code §§22-5-1 et seq.), AND REGULATIONS PROMULGATED THEREUNDER, THE FOLLOWING PERMITTEE IS AUTHORIZED TO CONSTRUCT, SUBJECT TO THE TERMS AND CONDITIONS OF THIS PERMIT, THE SOURCE DESCRIBED BELOW.

Adaline Compressor Station currently operates under Title V Permit No. R30-05100001-1996.

Name of Permittee: Columbia Gas Transmission Corporation

Name of Facility: Adaline Compressor Station

Permit No.: R13-2362-P6

Plant ID No.: 05100100

Effective Date of Permit: February 15, 2000

Permit Writer: Jerry Williams

Facility Mailing Address: P.O. Box 1273  
Charleston, WV 25325-1273

County: Marshall County

Nearest City or Town: Cameron, WV

**NON CONFIDENTIAL**

UTM Coordinates: Easting: 530.0 km Northing: 4401.0 km Zone: 17

Directions to  
Exact Location: Located in Liberty District, Marshall County and south of Cameron, which is 25 miles south of Wheeling on US Rt. 250. From intersection in Cameron, travel west a short distance to a "Y" intersection. Go left, cross bridge, then up a hill on a brick road. Proceed south along this road (Cameron Ridge Road) for approximately 7 miles to station which is on left side of road and partially visible.

Type of Facility  
or Modification: Installation of a relocated mobile glycol reclaimer unit consisting of a 0.19 MMBtu/hr boiler/preheater and a 0.20 MMBtu/hr vacuum reboiler.

THE SOURCE IS SUBJECT TO 45CSR30. THE PERMITTED FACILITY'S TITLE V (45CSR30) PERMIT R30-05100001-1996 MUST BE REVISED BEFORE COMMENCING OPERATION OF THE ACTIVITY AUTHORIZED BY THIS PERMIT.

"To use all available resources to protect and restore West Virginia's environment in concert with the needs of present and future generations."



IN ACCORDANCE WITH THE PERMIT APPLICATION AND ITS AMENDMENTS, THIS PERMIT IS LIMITED AS FOLLOWS:

**A. SPECIFIC REQUIREMENTS**

1. The annual glycol throughput of the mobile glycol reclaimer unit shall not exceed 10,000 gallons per year per site.
2. The emissions for the mobile glycol reclaimer unit and components shall not exceed the following hourly and annual emissions:

Pollutant	Emission Rate (lb/hr)	Emission Rate (ton/year)
Nitrogen Oxides	0.039	0.171
Carbon Monoxide	0.008	0.036
VOC's not including HAP's	0.002	0.009
Sulfur Dioxide	0.0003	0.001
Particulate Matter	0.002	0.008
Benzene	0.46	0.055
Toluene	0.71	0.085
Ethylbenzene	0.07	0.008
Xylenes	0.55	0.066

3. The mobile glycol reclaimer unit shall be constructed, operated, and maintained in accordance with all information submitted in Permit Application R13-2362-P6.
4. The permittee shall notify in writing, the Chief of the Office of Air Quality, the proposed startup date for operation of the mobile glycol reclaimer unit. The permittee shall also notify in writing, the Chief of the Office of Air Quality, when glycol reclaiming operations have stopped.
5. The permittee shall monitor and maintain a certified record of the glycol throughput and record this information on Attachment #1 and #2 of the permit. These records shall be certified by a responsible official and maintained on site for a period of five years. The permittee shall also maintain analysis reports for each batch of glycol processed by the mobile glycol reclaimer unit. These analysis reports shall be certified by a responsible official and maintained on site for a period of five years.

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Columbia Gas Transmission Corp.  
Adaline Compressor Station

## B. OTHER REQUIREMENTS

1. The pertinent sections of 45CSR2 applicable to this facility include, but are not limited to, the following:

### §45-2-3.1

No person shall cause, suffer, allow, or permit emission of smoke and/or particulate matter into the open air from any fuel burning unit which is darker in shade or appearance than ten (10) percent opacity.

### §45-2-3.2.

Compliance with the visible emission requirements of subsection 3.1 of this section shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9 (July 1, 1994) or by using measurements from continuous opacity monitoring systems approved by the Director. The Director may require the installation, calibration, and operation of continuous opacity monitoring systems and may establish policies for the evaluation of continuous opacity monitoring results and the determination of compliance with the visible emission requirements of subsection 3.1. of this section. Compliance opacity monitors shall not be required on fuel burning units which employ wet scrubbing systems for emission control.

2. For the purpose of determining compliance with SPECIFIC REQUIREMENTS A.1 AND A.2, the permittee shall monitor and maintain a certified record of the glycol throughput and record this information on Attachment #1 and #2 of the permit. These records shall be certified by a responsible official and maintained on site for a period of five years. The permittee shall also maintain analysis reports for each batch of glycol processed by the mobile glycol reclaimer unit. These analysis reports shall be certified by a responsible official and maintained on site for a period of five years.

3. The pertinent sections of 45CSR13 applicable to this facility include, but are not limited to, the following:

### §45-13-5.1

At the time a stationary source is alleged to be in compliance with an applicable emission standard and at reasonable times to be determined by the Chief thereafter, appropriate tests consisting of visual determinations or conventional in-stack measurements or such other tests as the Chief may specify shall be conducted to determine such compliance.

### §45-13-8.2

The Chief may suspend or revoke a permit if, after six (6) months from the date of issuance, the holder of the permit cannot provide the Chief, at the Chief's request, with written proof of a good faith effort that construction, modification, or relocation, if applicable, has commenced. Such proof shall be provided not later than thirty (30) days after the Chief's request. If construction or modification of a stationary source is discontinued for a period of eighteen (18) months or longer, the Chief may suspend or revoke the permit.

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Columbia Gas Transmission Corp.  
Adaline Compressor Station



§45-13-8.3

The Chief may suspend or revoke a permit if the plans and specifications upon which the approval was based or the conditions established in the permit are not adhered to.

**C. GENERAL REQUIREMENTS**

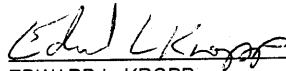
1. In accordance with 45CSR30 - "Operating Permit Program", the permittee shall not operate nor cause to operate the permitted facility or other associated facilities on the same or contiguous sites comprising the plant without first filing a Certified Emissions Statement (CES) and paying the appropriate fee. Such Certified Emissions Statement (CES) shall be filed and the appropriate fee paid annually. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Chief or his/her duly authorized representative.
2. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses, and/or approvals from other agencies; i.e., local, state, and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.
3. The permitted facility shall be constructed and operated in accordance with information filed in Permit Application R13-2362-P6 and any amendments thereto. The Chief may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.
4. At such reasonable time(s) as the Chief may designate, the permittee shall conduct or have conducted test(s) to determine compliance with the emission limitations established in the permit application and/or applicable regulations. Test(s) shall be conducted in such a manner as the Chief may specify or approve and shall be filed in a manner acceptable to the Chief. The Chief, or his/her duly authorized representative, may at his option witness or conduct such test. Should the Chief exercise his option to conduct such test(s), the operator shall provide all the necessary sampling connections and sampling ports to be located in such manner as the Chief may require, power for test equipment, and the required safety equipment such as scaffolding, railings, and ladders to comply with generally accepted good safety practices. For any tests to be conducted by the permittee, a test protocol shall be submitted to the OAQ by the permittee at least thirty (30) days prior to the test and shall be approved by the Chief. The Chief shall be notified at least fifteen (15) days in advance of the actual dates and times during which the test will be conducted.
5. In the event the permittee should deem it necessary to suspend, for a period in excess of sixty (60) consecutive calendar days, the operations, either in whole or in part, authorized by this permit, the permittee shall notify the Chief, in writing, within two (2) calendar weeks of the passing of the sixtieth (60) day of the suspension period.
6. The provisions of this permit are severable and should any provision(s) be declared by a court of competent jurisdiction to be invalid or unenforceable, all other provisions shall remain in full force and effect.
7. The permittee shall notify the Chief, in writing, within fifteen (15) calendar days of the

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Columbia Gas Transmission Corp.  
Adaline Compressor Station

commencement of the construction, modification, or relocation activities authorized under this permit.

8. The permittee shall notify the Chief, in writing, at least fifteen (15) calendar days prior to actual startup of the operations authorized under this permit.
9. This permit is transferable in accordance with the requirements outlined in Section 8.1 of 45CSR13.
10. Violations of any of the conditions contained in this permit, or incorporated herein by reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7.
11. On or before July 1st of each calendar year, the permittee herein shall prepare and submit an emission inventory for the previous calendar year, addressing the emissions from the facility and/or process(es) authorized herein, in accordance with the emission inventory submittal requirements of the Office of Air Quality. After the initial submittal, the Chief may, based upon the type and quantity of the pollutants emitted, establish a submittal frequency other than on an annual basis.

ISSUED BY:



EDWARD L. KROPP  
WV DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF AIR QUALITY

DATE SIGNED:

2/15/00

R13-2362-P6  
Columbia Gas Transmission Corp.  
Adaline Compressor Station

**ATTACHMENT #1**  
**MONTHLY GLYCOL THROUGHPUT REPORT<sup>(1),(2),(3)</sup>**

Columbia Gas Transmission Corporation  
Adaline Compressor Station  
Permit No. R13-2362-P6, Plant ID No. 05100100

Month, Year \_\_\_\_\_

Date	Glycol Sample No.	Glycol Processed Gallons
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
TOTAL		

- (1) The CERTIFICATION OF DATA ACCURACY statement appearing on the reverse side must be completed within fifteen (15) days of the end of the reporting period.
- (2) This record shall be maintained on site for a period of five (5) years from the date of certification. It shall be made available, upon request, to the Chief or his (her) authorized representative.
- (3) Attach Glycol Analysis Report for all glycol processed.

**ATTACHMENT #2**  
**ANNUAL GLYCOL THROUGHPUT REPORT<sup>(1),(2),(3)</sup>**

Columbia Gas Transmission Corporation  
Adaline Compressor Station  
Permit No. R13-2362-P6, Plant ID No. 05100100

Year \_\_\_\_\_

Month	Glycol Throughput Gallons	Year-to-Date Glycol Throughput Gallons	Responsible Official's Initials <sup>(3)</sup>
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

- (1) The CERTIFICATION OF DATA ACCURACY statement appearing on the reverse side must be completed within fifteen (15) days of the end of the reporting period.
- (2) This record shall be maintained on site for a period of five (5) years from the date of certification. It shall be made available, upon request, to the Chief or his (her) authorized representative.
- (3) The Responsible Official shall initial and date each monthly record line thereby attesting to the accuracy and completeness of the data recorded therein. The Responsible Official shall initial and date the monthly record within fifteen (15) days of the end of the month of record.